

ANNUAL REPORT
TO THE
RURAL DISTRICT COUNCIL
OF
GLANFORD BRIGG,
FOR THE
YEAR ENDING DECEMBER 31ST, 1905,
BY
GODFREY GOODMAN,
MEDICAL OFFICER OF HEALTH.

BRIGG :
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TO THE

CHAIRMAN AND MEMBERS

OF THE

RURAL DISTRICT COUNCIL

OF THE

GLANFORD BRIGG UNION.

—:—

FEBRUARY, 1906.

LADIES AND GENTLEMEN.

I beg to present my Report for the year ending December 31st, 1905.

The number of births registered during the year, in the whole District, was 688; males 336, females 352. This is eleven more than last year's total. With one exception, it is the largest number recorded for ten years.

The birth-rate was 28·8 per 1,000. The average birth-rate for the District is 28·1.

The births were distributed as follows:—

	<i>Males</i>		<i>Females</i>		<i>Total</i>	
Brigg Sub-District	112	....	115	....	227
Barton Sub-District	88	....	99	....	187
Winterton Sub-District	136	....	138	....	274
		<hr/>		<hr/>		<hr/>
		336		352		688

It will be seen that the number of births registered in the Winterton Sub-District, (which has a population of 7,529), exceeded by 87, those registered in the Barton Sub-District, with a population of 8,568. As I mentioned in one of my former Reports, this indicates a more prosperous condition in the first-mentioned District.

The birth-rate of the sub-districts was as follows:—

Brigg Sub-District ....	....	....	29·3 per 1,000
Barton Sub-District ....	....	....	21·8 per 1,000
Winterton Sub-District ....	....	....	36·3 per 1,000

The birth-rate in the Winterton Sub-District is above the average. That in the Brigg Sub-District has improved, but is still lower than it should be. That in the Barton Sub-District has been gradually falling, and has now reached an exceedingly low level.

In the following table will be found a classification of births, in the whole and each of the sub-districts, for the last ten years.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE SUB-DISTRICT.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
1896	111	104	215	122	127	249	100	123	223	333	354	687
1897	106	94	200	127	119	246	98	98	196	331	311	642
1898	120	103	223	118	104	222	144	118	262	382	325	707
1899	104	100	204	130	115	245	114	99	213	348	314	662
1900	99	92	191	113	100	213	113	100	213	325	292	617
1901	97	97	194	121	101	222	121	102	223	339	300	639
1902	136	103	239	110	116	226	126	91	217	372	310	682
1903	100	86	186	104	104	208	136	114	250	340	304	644
1904	103	110	213	96	91	187	139	138	277	338	339	677
1905	112	115	227	88	99	187	136	138	274	336	352	688
	1088	1004	2092	1129	1076	2205	1227	1121	2348	3444	3201	6645

The number of deaths registered during the year, in the whole District, was 331; males 160, females 171. This is eighteen above last year's total. Deaths

The death-rate was 13·9 per 1,000. The average for the District is 14·0. Death-rate
Whole District

The deaths were distributed as follows:—

	<i>Males</i>	<i>Females</i>	<i>Total</i>
Brigg Sub-District	50	50	100
Barton Sub-District	52	57	109
Winterton Sub-District	58	64	122
	<hr/> 160	<hr/> 171	<hr/> 331

The death-rate for the sub-districts was as follows:—

Brigg Sub-District	12·9 per 1,000
Barton Sub-District	12·1 per 1,000
Winterton Sub-District	16·1 per 1,000

The following table contains a classification of the deaths which have occurred in the District during the last ten years.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE SUB-DISTRICT.		
	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>	<i>M.</i>	<i>F.</i>	<i>Total</i>
1896	50	44	94	66	62	128	50	43	93	166	149	315
1897	50	48	98	69	56	125	50	60	110	169	164	333
1898	73	77	150	66	51	117	65	65	130	204	193	397
1899	46	45	91	67	49	116	42	50	92	155	144	299
1900	61	66	127	57	74	131	70	55	125	188	195	383
1901	41	55	96	57	54	111	49	51	100	147	160	307
1902	57	44	101	57	65	122	50	58	108	164	167	331
1903	45	43	88	60	59	119	52	44	96	157	146	303
1904	57	50	107	50	53	103	54	49	103	161	152	313
1905	50	50	100	52	57	109	58	64	122	160	171	331
	<hr/> 530	<hr/> 522	<hr/> 1052	<hr/> 601	<hr/> 580	<hr/> 1181	<hr/> 540	<hr/> 539	<hr/> 1079	<hr/> 1671	<hr/> 1641	<hr/> 3312

DEATHS IN CHILDREN UNDER ONE YEAR.

The number of deaths in children under one year, registered in the whole District, was 63; males 37, females 26.

The infant death-rate was 90 per 1,000 births.

Infant Mortality

The average infant death-rate for the District is 119. The rate is the lowest recorded for ten years.

The following table, which gives the principal causes of these deaths, is copied from the death returns supplied to me.



Bronchitis	....	....	....	....	4
Pneumonia	....	....	....	....	4
Diarrhœa	....	....	....	....	7
Convulsions	....	....	....	....	10
Marasmus	....	....	....	....	6
Premature Birth....	....	....	....	....	9
Enteritis	....	....	....	....	5
Whooping Cough	....	....	....	....	1
Influenza	....	....	....	....	1
All other causes....	....	....	....	....	16
					<hr/> 63

The deaths were distributed as follows:—

				<i>Deaths</i>		<i>Death-rate</i>
Brigg Sub-District	....	...	....	17	....	21
Barton Sub-District	....	....	....	12	....	22
Winterton Sub-District	....	....	....	34	....	31

The Winterton Sub-District has always the highest infant death-rate.

Diseases under the Notification Act.

The number of cases under the Infectious Diseases Notification Act, which were notified, was 162, made up as follows:—

Scarlet Fever	....	....	....	....	61
Diphtheria	....	....	....	....	61
Typhoid Fever	....	....	....	....	27
Erysipelas	....	....	....	....	9
Puerperal Fever	....	....	....	....	4
					<hr/> 162

This is eight above last year's total, but is still below the average for the District.

The number of cases of Scarlet Fever notified, (61), is the lowest figure recorded for ten years.

The number of deaths from this disease was 5. This is the highest mortality for Scarlet Fever recorded during the same period.

The cases and deaths were distributed as follows :--

Brigg Sub-District	....	....	....	14	....	1
Barton Sub-District	....	....	....	37	....	3
Winterton Sub-District....	....	....	....	10	....	1
				<hr/>		<hr/>
				61		5

The majority of the cases occurred in the Barton Sub-District, chiefly in the villages of Barrow and Goxhill.

In connection with the Goxhill outbreak, I had to report to the Council a case where milk, having been exposed to the infection of Scarlet Fever, was sold to the public. This milk-seller was prosecuted by the Council for failing to notify that he had Scarlet Fever in his family. The case, however, was dismissed. The Bench being of the opinion that the evidence before them was not sufficient to prove that this man was aware he had Scarlet Fever in his house.

The following brief account of the case, will, I believe, be sufficient to show that the Council was justified in taking proceedings.

Milkseller. 16 cows' milk sold in and outside the District. Case
 Son, aged 14 years, died of Scarlet Fever, two days after the case had been notified. Father acknowledged that this boy had been ill for some time, also that the other children had been ill with what appeared to be a similar complaint, but he did not know it was Scarlet Fever. Believing this statement to be true, the man was cautioned, and the case dropped. The maid, an intelligent girl of twenty, (who lived in the house until ten days after this, when she went home ill with Scarlet Fever), made the following statement which she afterwards swore to. All the children had been ill, they had a rash and sore throat. All afterwards peeled. She told their mother it was Scarlet Fever. The mother when she saw the doctor coming locked the children up in a room. The girl attended to the children all the time, including the one who died; even after the case was notified she had to go into the sick room and perform duties, which, by their very nature, must have rendered her highly infectious. All this time she was milking and attending to the milk, frequently going straight from the sick room to the milking. The man did the same, even after the case was notified, (this he acknowledged to me). The girl also stated that this man

lost his temper, and high words resulted because the doctor had put Scarlet Fever in the death certificate.

The number of cases of Diphtheria notified was 61. This is Diphtheria the highest figure recorded for ten years.

The number of deaths registered from this disease was 5. This is below the average, as may be seen on referring to the table of infectious diseases with deaths for the last ten years, given later on.

Table of cases and deaths in sub-districts.

			<i>Cases</i>		<i>Deaths</i>
Brigg Sub-District ....	....	....	15	....	1
Barton Sub-District	....	....	3	....	1
Winterton Sub-District	....	....	43	....	3
			<hr/>		<hr/>
			61		5

The majority of the cases occurred in the Winterton Sub-District, chiefly in the village of Messingham. The outbreak, which commenced at the end of August continued until the end of the year. Most of the cases were mild, and, as is always the case, the milder the outbreak, the longer it lasts, and the greater the difficulty of stamping it out. Some cases never come under medical treatment, they are kept indoors for a few days, and then, before they are free from infection, are let out to infect their neighbours. It is difficult to prevent this, even in the notified cases, if they are of a mild type. We frequently hear of it, but it is almost impossible to get a witness to come forward and give evidence. What, however, more than anything else, tends to spread the infection, is the visiting of neighbours to infected houses. It is not at all unusual, on entering a house, to find several neighbours, often with children in their arms, beating a hasty retreat from the patient's room. Such persons, as a rule, are uninfluenced by any warning you may give them.

In the Brigg Sub-District, the village of Barnetby suffered most from this disease. In a report to the Council, I pointed out the dangerous practice of depositing night soil in the small gardens, close to the wells, at the back of Silver Street. This had been going on for some time, and as the soil is porous, and the gardens small, the wells were in great danger of pollution. Since then a night soil cart has been purchased, and the practice has been discontinued.

There were 27 cases of Typhoid Fever notified.

Typhoid Fever

The number of deaths from this disease was 2. This is below the average.

Table of distribution of Typhoid Fever and deaths in the sub-districts.

	<i>Cases</i>			
Brigg Sub-District	8	2
Barton Sub-District....	3	0
Winterton Sub-District	16	0
			<hr/>	<hr/>
			27	2

The majority of the cases occurred in the Winterton Sub-District, chiefly in the villages of Ashby and Messingham. In the latter village, a labourer contracted Typhoid on August 19th. On September 20th, a child in the same family, took the disease. The grandmother, who lives in the same yard, took the child into her house. Shortly after, this man's wife, who, up to now, had been nursing him, also contracted the fever. A relative, who had been assisting, refused to attend. These having a few shillings a week to live on, the Council, after considering the circumstances, decided to provide a trained nurse. A nurse was at once engaged, and continued in attendance for five weeks. She nursed and attended to the three cases, giving entire satisfaction. All the patients recovered, and no other case occurred in the yard.

In the Brigg Sub-District, the cases were not confined to any particular village.

Erysipelas.

There were 9 cases of Erysipelas notified with no deaths.

Puerperal Fever.

The number of Puerperal cases notified was 4. Two were in the Brigg, and one in each of the other sub-districts.

There was no death recorded from this disease.

TABLE OF DISEASES UNDER THE NOTIFICATION ACT WITH THE
DEATHS FOR THE LAST TEN YEARS.

	Scarlet Fever		Diphtheria		Typhoid Fever		Erysipelas		Puerperal Fever		Small Pox	
	<i>Cases</i>	<i>Deaths</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>	<i>C.</i>	<i>D.</i>
1896	165	2	42	2	12	1	11	....	....	....	....	....
1897	150	4	36	7	6	3	13	....	2	1	....	....
1898	135	2	10	0	34	3	16	1	2	2	....	....
1899	77	4	18	3	12	...	16	....	4	....	4	....
1900	73	5	24	6	10	1	11	....	1	....	10	2
1901	110	5	50	3	22	5	11	....	2	2	....	....
1902	146	3	9	3	10	1	17	....	1	....	....	....
1903	183	4	57	5	24	....	13	....	2	1	....	....
1904	93	1	57	3	4	....	14	1	1	....	....	....
1905	61	5	61	5	27	2	9	....	4	....	....	....
	1193	35	362	37	161	16	131	2	19	6	14	2

Measles.

The District was exceptionally free from Measles during the year.

No death occurred from this disease.

Whooping Cough.

There was no serious outbreak of Whooping Cough.

One death from this disease was recorded.

Epidemic Influenza.

Epidemic Influenza, in the form it appeared ten or fifteen years ago, is now unknown in the District. Each year we have one or two outbreaks, but it has gradually lost its virulence. We still, however, occasionally meet with a type of case, (extremely common in the earlier epidemics), in which we find all the members of a family having been simultaneously attacked with Influenza, one dies in a few hours with all the symptoms of Cerebro-spinal Meningitis, while the others exhibit nothing beyond the usual symptoms of mild Influenza.

The deaths from Influenza were 5 in number.

Phthisis.

There were 24 deaths from Phthisis; males 11, females 13. This is the same as last year's total. Eight occurred in each of the sub-districts.

Cancer.

There were 25 deaths from Cancer; males 10, females 15. Of these, 7 occurred in the Brigg, 11 in the Barton, and 7 in the Winterton Sub-District.

Accidents.

There were 8 accidental deaths. Of these, 4 were drowned, 1 burned, 1 killed by a crane, 1 killed by a cow, 1 by a fall.

Suicides.

2 deaths, both by hanging; male 1, female 1.

The Health of the District.

The past year has been an extremely healthy one. The death-rate is below the average. The infant mortality is the lowest for ten years. The number of cases of Scarlet Fever notified is the lowest for ten years. The District was never so free from measles. There was very little Whooping Cough. Diphtheria was the most serious outbreak, and, in it, the cases were mild and the mortality low. The number of cases notified as Typhoid Fever, (27), was above the average, but the number of deaths from this disease, (2), was not high. The education of the District has not been seriously interfered with, only in one instance have schools been closed.

Sanitary Improvements, Sewers, etc.

In dealing with the infectious diseases, I have already mentioned some of the measures taken to safeguard the health of the District. At Messingham, in the yard where the cases of Typhoid occurred, the water supply and several sanitary matters

required attention—an order was issued for the work to be done at once. The inspector was instructed, (if delay in carrying out the instructions occurred), to proceed with it himself. In all other cases, where any nuisance was found to exist, it was at once attended to. A summary of the work done, will be found on the last page.

During the year, new public sewers have been laid down in the following Districts.

Barrow ....	....	215 yards of 9 in. sanitary pipes		
Ulceby ....	....	18	,,	15
Goxhill ....	....	120	,,	6 and 9
Winteringham		75	,,	6
Barnetby ....	....	100	,,	6
Elsham ....	....	120	,,	9
In progress—				
Kirton ....	....	300	,,	9
Bonby ....	....	200	,,	6

The following summary of work done, during the year, is taken from the reports of Mr. Bainton, Inspector of Nuisances.

Public Sewers Improved	....	....	....	13
Private Drains	....	....	....	40
Private Water Drains	....	....	....	18
Piggeries Improved or Removed	....	....	....	8
Canal Boats Inspected	....	....	....	6
Overcrowding	....	....	....	3
Various Other Nuisances	....	....	....	16
Plan Allowed (representing 86 dwellings)	....	....	....	46
Water Certificates	....	....	....	40
Prosecutions	....	....	....	2
Cowkeepers Registered	....	....	....	13
Houses Closed	....	....	....	2
General Inspections....	....	....	....	22
Clerk's Notices, Letters, etc.	....	....	....	96
Petroleum Licences....	....	....	....	3
Privies and Ashpits Improved	....	....	....	25
Plans of New Streets	....	....	....	2
One New Street Made	....	....	....	1
Yards and Premises Improved	....	....	....	5

The table of rainfall as on all former occasions has kindly been given to me by Mr. Alfred Atkinson, c.e., of Brigg.

I am, Gentlemen,

Your obedient servant,

GODFREY GOODMAN,

*Medical Officer of Health to the
Rural District Council.*

Table I.—For Whole District.

Year.	Population estimated to middle of each year.	Births.		Deaths under 1 year of age.		Deaths at all ages. Total	
		Number.	Rate. *	Number.	Rate per 1,000 Births Registered.	Number.	Rate *
1894	...	...	..	...	...	...	...
1895	23821	761	31·4	95	125	350	14·7
1896	...	687	28·9	64	91	315	13·3
1897	...	642	26·9	83	127	333	14·6
1898	..	706	29·6	101	142	392	16·4
1899	23822	662	27·7	93	140	299	12·5
1890	...	613	25·9	79	128	383	16·0
1891	23823	639	26·6	72	113	307	12·9
1902	...	682	28·6	83	122	331	13·9
1903	...	644	27·0	73	112	303	12·7
1904	23824	677	28·0	79	117	313	13·1
Averages for years 1895-1904	23823	673	28·1	80	119	332	14·0
1905	23825	688	28·8	63	90	331	13·9

*Rates calculated per 1,000 of estimated population.

Table II.

Names of Localities	The whole District				Brigg Sub-District				Barton Sub-District				Winterton Sub-District			
	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under one year
1894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895	23821	761	350	95	...	...	...	...	...	...	...	...	...	...	...	...
1896	...	687	315	64	...	...	...	...	...	...	...	...	...	...	...	...
1897	...	642	333	83	...	...	...	...	...	...	...	...	...	...	...	...
1898	...	706	392	101	...	...	...	...	...	...	...	...	...	...	...	...
1899	23822	662	299	93	...	...	...	...	...	...	...	...	...	...	...	...
1890	...	613	383	79	7788	191	127	21	8568	213	131	20	7524	213	125	38
1891	23823	639	307	72	...	194	96	26	...	222	111	27	7525	223	100	19
1902	...	682	331	83	...	239	101	22	...	226	122	30	...	217	108	31
1903	...	644	303	73	...	180	88	18	...	208	119	23	...	250	96	32
1904	23824	677	313	79	...	213	107	23	...	187	103	22	7528	227	103	34
Averages for years 1895-1904	23823	673	332	80	7728	208	100	21	8568	208	113	22	7526	234	109	31
1905	23825	688	331	63	7728	227	100	17	8568	187	109	12	7529	274	122	34

Deaths occurring outside the division or district among persons belonging thereto } Not ascertained. Have no means of
Deaths occurring within the district among persons not belonging thereto ... } obtaining accurate returns.

There is no Public Institution in the District. The Union Workhouse is in the Urban District of Brigg.

Table III.—Cases of Infectious Disease notified during the year 1905.

Notifiable Disease.	Cases notified in whole district.						Total cases notified in each locality.			No. of cases removed to hospital from each locality.	
	At all ages.	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Brigg Sub-District	Barton Sub-District		Winterton Sub-District
Small-pox	None
Cholera	...	...	...	...	...	...	...	...	...	...
Diphtheria	61	...	12	34	10	4	1	15	3	43	
Membranous croup	...	...	...	...	...	...	...	...	...	...
Erysipelas	9	...	...	...	3	5	1	5	4	...
Scarlet fever	61	2	19	30	6	4	...	14	37	10	
Typhus fever	...	...	...	...	...	...	...	...	...	...
Enteric fever	27	...	4	9	10	4	...	8	3	16	
Relapsing fever	...	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...	...
Puerperal fever	4	...	...	...	...	4	...	2	1	1
Plague	...	...	...	...	...	...	...	...	...	...
Totals	162	2	35	73	29	21	2	44	48	70	

Isolation Hospital near Goxhill.

Table IV.

Causes of, and ages at death during year 1905.

Causes of Deaths.	Deaths in whole district at subjoined ages.						
	At all ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Small-pox ...	...	...	...	...	..	..	...
Measles ...	...	...	...	...	...	...	...
Scarlet fever ...	5	...	1	4	...	...	...
Whooping cough ..	1	1	...	...	...	..	...
Diphtheria and mem- braneous croup ...	5	...	2	3	...	...	...
Croup ...	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...
{ Enteric	2	...	...	...	...	2	...
{ Other continued	...	...	...	...	...	...	...
Epidemic Influenza ..	5	1	...	...	...	...	4
Cholera ...	...	...	...	...	...	...	..
Plague ...	...	...	...	...	...	...	...
Diarrhœa ...	12	7	2	...	...	2	1
Enteritis ...	5	5	...	...	...	...	..
Puerperal fever ...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...
Other septic diseases ...	...	...	...	...	...	...	...
Phthisis ...	24	1	...	4	3	13	3
Other tubercular disease...	...	...	...	...	...	...	...
Cancer, malignant disease	25	...	...	...	...	8	17
Bronchitis ...	18	4	3	..	...	1	10
Pneumonia. ...	23	4	5	1	1	9	3
Pleurisy ...	...	...	...	...	...	...	...
Other diseases of respi- ratory organs ..	3	1	1	1	...	...	...
Alcoholism	...	...	...	...	...	...	...
Cirrhosis of liver }	...	...	...	...	...	...	...
Venereal diseases ..	1	1	...	...	...	...	...
Premature birth ..	9	9	...	...	..	...	...
Diseases and accidents of parturition ...	...	...	...	...	...	...	...
Heart diseases ...	26	...	1	1	...	10	14
Accidents ...	8	...	1	2	3	...	2
Suicides ...	2	...	...	...	1	1	...
Convulsions ...	...	...	...	...	1	6	2
Diabetes ...	9	..	...	...	...	...	...
All other causes ...	148	29	8	1	3	21	68
All causes ...	331	63	24	17	12	73	142

Table V.—Infantile Mortality during the year 1905.

Deaths from stated causes in weeks and months under one year of age.

Cause of Death		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total deaths under 1 year
All causes	Certified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62
	Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Common Infectious Diseases	Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoeal Diseases	Diphtheria: Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Whooping Cough ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Diarrhoea, all forms ...	...	...	...	...	...	...	...	4	2	1	...	...	...	...	...	...	7
	Enteritis (<i>not Tuberculous</i>) ...	...	...	...	...	...	2	1	...	2	...	...	...	...	...	...	...	5
Wasting Diseases	Gastritis, Gastro-intestinal Catarrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Premature Birth ...	7	1	1	...	9	...	...	...	...	...	...	...	...	...	...	...	9
	Congenital Defects ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Injury at Birth ...	...	1	1	...	2	...	...	...	...	...	...	...	...	...	...	...	2
Tuberculous Diseases	Want of Breast-milk ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus ...	...	...	...	...	...	...	2	1	1	1	...	1	...	...	...	...	6
	Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tuberculous Peritonitis: Tabes Mesenterica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
	Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meningitis (<i>not Tuberculous</i>) ...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Convulsions ...	2	1	3	...	6	1	...	1	...	...	...	...	...	1	1	...	10
	Bronchitis ...	...	...	...	...	...	...	1	1	1	...	1	...	...	...	...	...	4
	Laryngitis ...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
	Pneumonia ...	...	...	...	1	1	1	...	...	...	...	...	1	...	1	...	...	4
	Suffocation, overlaying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other causes ...	1	1	3	...	5	3	...	...	1	...	3	...	...	...	...	...	12
Totals ...		10	4	8	1	23	8	4	7	9	3	4	2	...	2	1	...	63

Population, (estimated to middle of 1905), 23,825.

Births in the year—Legitimate 688. Illegitimate * Deaths from all causes at all ages 331.

*Information as to the total of illegitimate births is not supplied to me. From the death returns I learn that 4 out of the above 63 infants were illegitimate.

RAINFALL, 1905.

Month.	At Brigg		At Ferriby Sluice	
	Inches	Days	Inches	Days
January	0·64	12	0·64	4
February	0·90	14	0·88	9
March	2·44	25	2·54	17
April	2·12	20	1·76	15
May	0·67	6	0·39	3
June	3·81	13	1·71	10
July	1·23	9	1·55	27
August	3·77	20	3·64	19
September	1·77	16	1·46	15
October	2·11	22	1·81	19
November	3·23	25	2·91	22
December	0·58	11	0·48	11
Total	23·27	193	19·77	151

ALFRED ATKINSON, C.E.

BRIGG, JANUARY, 1906.

